

RAW SEQUENCE LISTING

The Biotechnology Systems Branch of the Scientific and Technical Information Center (STIC) no errors detected.

Application Serial Number: 10/S75,844
Source: HPV
Date Processed by STIC: 1/18/07

ENTERED



IFWO

RAW SEQUENCE LISTING

DATE: 01/18/2007

PATENT APPLICATION: US/10/575,844

TIME: 11:24:49

Input Set : E:\22338-Sequence Listing.txt

Output Set: N:\CRF4\01182007\J575844.raw

3 <110> APPLICANT: Roche Molecular Systems

5 <120> TITLE OF INVENTION: Method for Distinguishing AML Subtypes with
Recurring Genetic

6 Aberrations

8 <130> FILE REFERENCE: 22338-US

10 <140> CURRENT APPLICATION NUMBER: US 10/575,844

C--> 11 <141> CURRENT FILING DATE: 2006-04-13

13 <150> PRIOR APPLICATION NUMBER: PCT/EP2004/012460

14 <151> PRIOR FILING DATE: 2003-11-04

16 <160> NUMBER OF SEQ ID NOS: 239

18 <170> SOFTWARE: PatentIn version 3.4

20 <210> SEQ ID NO: 1

21 <211> LENGTH: 491

22 <212> TYPE: DNA

23 <213> ORGANISM: Homo sapiens

26 <220> FEATURE:

27 <221> NAME/KEY: misc_feature

28 <223> OTHER INFORMATION: n = any nucleotide

30 <400> SEQUENCE: 1

31	gaagcccaaa aactcttggga gcaatataag gaagaaagca aaaaggctct tccaccagaa	60
33	aagaaacaga aacttggtc aaagaaaagc aataaaaata agagtggcaa gaaccagttt	120
35	aacagagggtg gtggccatag aggacgtgga ggattcaata tgcgtggtgg aaatttcaga	180
37	ggaggagccc ctgggaatcg tggcggatat aataggaggg gcaacatgcc acagagaggt	240
39	ggtggcgggtg gaggaagtgg tggaatcggc tatccatacc ctcggtcccc tgtttttcct	300
41	ggccgtggta gttactcaaa cagaggggaa tacaacagag gtggaatgcc caacagaggg	360
43	aactacaacc agaacttcag aggacgagga aacaatcgtg gctacaaaaa tcaatctcag	420
45	ggctacaacc agtggcagca ggggtcaattc tggggtcaga agccatggag tcagcattat	480
47	caccaaggat a	491

50 <210> SEQ ID NO: 2

51 <211> LENGTH: 307

52 <212> TYPE: DNA

53 <213> ORGANISM: Homo sapiens

55 <400> SEQUENCE: 2

56	gaattctcca aaacaatttt ctgcaggatg attgtacaga atcattgctt atgacatgat	60
58	cgctttctac actgtattac ataaataaat taaataaaat aaccccgggc aagacttttc	120
60	tttgaaggat gactacagac attaaataat cgaagtaatt ttgggtgggg agaagaggca	180
62	gattcaattt tctttaacca gtctgaagtt tcatttatga tacaaaagaa gatgaaaatg	240
64	gaagtggcaa tataagggga tgaggaaggc atgcctggac aaacccttct tttaatgatg	300
66	gtcttca	307

69 <210> SEQ ID NO: 3

70 <211> LENGTH: 519

71 <212> TYPE: DNA

72 <213> ORGANISM: Homo sapiens

74 <400> SEQUENCE: 3

RAW SEQUENCE LISTING

DATE: 01/18/2007

PATENT APPLICATION: US/10/575,844

TIME: 11:24:49

Input Set : E:\22338-Sequence Listing.txt

Output Set: N:\CRF4\01182007\J575844.raw

```

75 gtttggaact ttaatagcgt tgcaacgaaa tcctatatcc agtttcctgt aatttaattg      60
77 aagaaaaata catccaaata aagactttat tattaacaga ccagatagca tcagaaatca      120
79 tgtgactgtt atgattatca gaatatgtct taacttttta gggcaaagt aacactgaaa      180
81 gttctagctt aagtgttgaa acttttgtgg gaaaaaaaaa tcacttttga aactcagact      240
83 tcagtgtata cccaataatt taaaattatg tgaaatgttt taaatttgtg aactcgtaat      300
85 tactgtttta atgattcagt ttcttcagag tggtaattgt ataaaattgc tattgcagct      360
87 ttatattcaa tatgatgtgc ctgtaaacca aggagttttc cccgtttgta aaaagacatt      420
89 gtagataatt gaatgtttga ttttagaaag gtcattagtt tcttgttaca cattttgtta      480
91 gtctggtttt tgttgcttat cgggtttaat attgttctt      519
94 <210> SEQ ID NO: 4
95 <211> LENGTH: 140
96 <212> TYPE: DNA
97 <213> ORGANISM: Homo sapiens
99 <400> SEQUENCE: 4
100 ctacctatcc tgaatggtct gtcattgtct gcctttaaaa tccttcctct ttcttcctcc      60
102 tctattctct aaataatgat ggggctaagt tatacccaaa gtcacttta caaaatattt      120
104 cctcagtact ttgcagaaaa      140
107 <210> SEQ ID NO: 5
108 <211> LENGTH: 425
109 <212> TYPE: DNA
110 <213> ORGANISM: Homo sapiens
112 <400> SEQUENCE: 5
113 gtcatatcat ttcactgtct aggctacaac aggattctag gtggagggtg tgcattgtgt      60
115 cctttttatc tgatctgtga ttaaagcagt aatattttaa gatggactgg gaaaaacatc      120
117 aactcctgaa gttagaaata agaatggttt gtaaaatcca cagctatatc ctgatgctgg      180
119 atggtattaa tcttgtgtag tcttcaactg gttagtgtga aatagttctg ccacctctga      240
121 cgcaccactg ccaatgctgt acgtactgca tttgcccctt gagccagggt gatgtttacc      300
123 gtgtgttata taacttcctg gtccttcac tgaacatgcc tagtccaaca ttttttccca      360
125 gtgagtcaca tcctgggatc cagtgtataa atccaatatc atgtcttgtg cataattctt      420
127 ccaa      425
130 <210> SEQ ID NO: 6
131 <211> LENGTH: 454
132 <212> TYPE: DNA
133 <213> ORGANISM: Homo sapiens
135 <400> SEQUENCE: 6
136 caagctatgg aataccctgg gtgtgtgcaa atacactgtc caggatgaga gccactcaga      60
138 gtgggtgtct tgtgtccgct tctcgcccaa cagcagcaac cctatcatcg tctcctgtgg      120
140 ctgggacaag ctggtcaagg tatggaacct ggctaactgc aagctgaaga ccaaccacat      180
142 tggccacaca ggctatctga acacggtgac tgtctctcca gatggatccc tctgtgcttc      240
144 tggaggcaag gatggccagg ccatgttatg ggatctcaac gaaggcaaac acctttacac      300
146 gctagatggg ggggacatca tcaacgccct gtgcttcagc cctaaccgct actggctgtg      360
148 tgctgccaca ggccccagca tcaagatctg ggatttagag ggaaagatca ttgtagatga      420
150 actgaagcaa gaagttatca gtaccagcag caag      454
153 <210> SEQ ID NO: 7
154 <211> LENGTH: 373
155 <212> TYPE: DNA
156 <213> ORGANISM: Homo sapiens
158 <400> SEQUENCE: 7
159 atcagggtat ttgttccacc ttggccaggc ctctcggag aagcttgtcc cccgtgtggg      60

```

RAW SEQUENCE LISTING

PATENT APPLICATION: US/10/575,844

DATE: 01/18/2007

TIME: 11:24:49

Input Set : E:\22338-Sequence Listing.txt

Output Set: N:\CRF4\01182007\J575844.raw

```

161 agggacggag ccggactgga catggctcact cagtaccgcc tgcagtgtcg ccatgactga      120
163 tcatggctct tgcatttttg ggtaaattga gacttccgga tcctgtcagg gtgtcccca      180
165 tgcctggaag aggagctggt ggctgccagc cctggcgccg gcacagcctg ggcctcccct      240
167 tccctcaagc cagggtcct cctcctgtcg tgggtcatt tggcaggctc aggccaggct      300
169 tggacagctg tgactctcct caagccaggga ctaccgacca gccggctatg ggcacattac      360
171 gtgaccactg gcc                                          373
174 <210> SEQ ID NO: 8
175 <211> LENGTH: 494
176 <212> TYPE: DNA
177 <213> ORGANISM: Homo sapiens
179 <400> SEQUENCE: 8
180 agtgccgaca ggacgggtcat tgattacaac ggggaacgca cgctggatgg ttttaagaaa      60
182 ttcctagaga gcggtggcca agatggggca ggggatgttg acgacctga ggacctcga      120
184 gaagcagagg agccagacat ggaggaagac gatgaccaga aagctgtgaa agatgaactg      180
186 taatacgaag agccggaccc gggcgctgcc gagaccctc gggggctgca caccagcag      240
188 cagcgcacgc ctccgaagcc tgcggcctcg cttgaaggag ggcgtcgccg gaaaccaag      300
190 gaacctctct gaagtgaac ctcaccctta cacaccgtcc gttcacccc gtctcttct      360
192 tctgcttttc ggtttttgga aaaccggat cctactctag gcagcccacc ttggtgggct      420
194 tgtttcctga aaccatgatg tactttttca tacatgagtc tgtccagagt gcttgctacc      480
196 gtgttcggag tctc                                          494
199 <210> SEQ ID NO: 9
200 <211> LENGTH: 434
201 <212> TYPE: DNA
202 <213> ORGANISM: Homo sapiens
204 <400> SEQUENCE: 9
205 cctacttcgg tatctatgac actgcaaagg gaatgcttcc ggatcccaag aacactcaca      60
207 tcgtcatcag ctggatgac gcacagactg tcaactgctgt tgccgggttg acttcctatc      120
209 catttgacac cgttcgccgc cgcagatga tgcagtcagg gcgcaaagga actgacatca      180
211 tgtacacagg cacgcttgac tgctggcgga agattgctcg tgatgaagga ggcaaagctt      240
213 ttttcaaggg tgcaggtcc aatgttctca gaggcaggg tgggtgcttt gtgcttgtct      300
215 tgtatgatga aatcaagaag tacacataag ttatttccta ggatttttcc ccctgtgaac      360
217 aggcagttg tattctataa cacaatcttg agcattcttg acagactcct ggctgtcagt      420
219 ttctcagtg caac                                          434
222 <210> SEQ ID NO: 10
223 <211> LENGTH: 416
224 <212> TYPE: DNA
225 <213> ORGANISM: Homo sapiens
227 <400> SEQUENCE: 10
228 gttgggtcaa acttttgga gcacggactg tcagttctct ggggaagtgg cagcgcattc      60
230 tgcagggctt ctctcctct gtcttttgga gaaccagggc tcttctcagg ggctctagg      120
232 actgccaggc tgtttcagcc aggaaggcca aatcaagag tgagatgtag aaagttgtaa      180
234 aatagaaaaa gtggagttgg tgaatcggtt gttctttcct cacatttgga tgattgtcat      240
236 aaggttttta gcatgttct cttttcttc accctcccct ttgttctctc attaatcaag      300
238 agaaacttca aagttaatgg gatggtcgga tctcacaggc tgagaactcg ttcacctcca      360
240 agcatttcat gaaaagctg cttcttatta atcatacaaa ctctcaccat gatgtg      416
243 <210> SEQ ID NO: 11
244 <211> LENGTH: 415
245 <212> TYPE: DNA
246 <213> ORGANISM: Homo sapiens

```

RAW SEQUENCE LISTING

DATE: 01/18/2007

PATENT APPLICATION: US/10/575,844

TIME: 11:24:49

Input Set : E:\22338-Sequence Listing.txt

Output Set: N:\CRF4\01182007\J575844.raw

248 <400> SEQUENCE: 11

249	accccttgtg	aagcccaaga	tcgtcaaaaa	gagaaccaag	aagttcatcc	ggcaccagtc	60
251	agaccgatat	gtcaaaatta	agcgtaactg	gcggaaaccc	agaggcattg	acaacagggt	120
253	tcgtagaaga	ttcaagggcc	agatcttgat	gccaacatt	ggttatggaa	gcaacaaaaa	180
255	aacaaagcac	atgctgcccc	gtggcttccg	gaagtccctg	gtccacaacg	tcaaggagct	240
257	ggaagtgctg	ctgatgtgca	acaaatctta	ctgtgccgag	atcgctcaca	atgtttcctc	300
259	caagaaccgc	aaagccatcg	tggaaagagc	tgcccaactg	gccatcagag	tcaccaaccc	360
261	caatgccagg	ctgcgcagtg	aagaaaatga	gtaggcagct	catgtgcacg	ttttc	415

264 <210> SEQ ID NO: 12

265 <211> LENGTH: 423

266 <212> TYPE: DNA

267 <213> ORGANISM: Homo sapiens

269 <400> SEQUENCE: 12

270	aataatztat	tcccacatct	acatcagtga	aagctatcta	cctatcctga	gtctatctta	60
272	aaggaaaaaa	agaaaaaac	cttatctctt	gcccttat	tgaattttcc	actctttcat	120
274	taatttgttt	taagctcctg	ttggaaaaaa	aggggtagtg	catttttaaat	tgaccttcat	180
276	acgcttttaa	aataagacaa	atctacttga	taatgtacct	ttatttgatc	tcaagttgta	240
278	taaaaccaat	aaatttggtg	tactgcagta	gtaatcttat	gcacacgggtg	atttcatgtt	300
280	atatatgcaa	agtaggcaac	tgttttctta	gttacagaag	tttcaagctt	cacttttgtg	360
282	cagtagaaac	aaaagtaggc	tacagtctgt	gccatgttga	tgtacagttt	ctgaaattgt	420
284	ttt						423

287 <210> SEQ ID NO: 13

288 <211> LENGTH: 358

289 <212> TYPE: DNA

290 <213> ORGANISM: Homo sapiens

292 <400> SEQUENCE: 13

293	tgcttctgga	cacctgggac	caggtctttg	tctgggttgg	aaaggattct	caagaagaag	60
295	aaaagacaga	agccttgact	tctgctaagc	ggtacatcga	gacggaccca	gccaatcggg	120
297	atcggcggac	gcccacaccc	gtgggtgaagc	aaggctttga	gcctccctcc	tttgtgggct	180
299	ggttccttgg	ctgggatgat	gattactggg	ctgtggaccc	cttggacagg	gccatggctg	240
301	agctggctgc	ctgaggaggg	gcagggccca	cccatgtcac	cggtcagtgc	cttttggaac	300
303	tgtccttccc	tcaaagaggc	cttagagcga	gcagagcagc	tctgctatga	gtgtgtgt	358

306 <210> SEQ ID NO: 14

307 <211> LENGTH: 529

308 <212> TYPE: DNA

309 <213> ORGANISM: Homo sapiens

311 <400> SEQUENCE: 14

312	cgtagtccag	accatcctat	actgtgactt	cttctacttg	tacattacaa	aagtactcaa	60
314	gggaaagaag	ctcagtttgc	cagcataagt	gccaaagacc	atcaccagca	tctgtccttc	120
316	aggggtgctc	gacagaattc	ttaccacagc	aaaggcataa	gatgcttgat	acggaaaatc	180
318	agaaacttaa	ctcttttgtt	gcagatagtc	atcagtggct	ctgtaaaaac	gcagaggaaa	240
320	agagccagaa	ggtttctgtt	taatgcactt	tgccttatct	ttttttatta	ctgtgtacaa	300
322	agattttttt	acacaaagaa	acttaatgct	gtattaataa	attcagtgtg	tagcttcaat	360
324	tgggatagtt	ccaaaagtga	agattttgtg	aggaataagt	gcaaattttt	tttttatatt	420
326	aaaaaattct	ttgaaactct	taagtctttg	tgtctgcaat	gaaattgtac	tccttgacag	480
328	ttgatagatt	atgtattctt	ccatccctca	aacttgcatt	ccactatat		529

331 <210> SEQ ID NO: 15

332 <211> LENGTH: 529

333 <212> TYPE: DNA

RAW SEQUENCE LISTING

DATE: 01/18/2007

PATENT APPLICATION: US/10/575,844

TIME: 11:24:49

Input Set : E:\22338-Sequence Listing.txt

Output Set: N:\CRF4\01182007\J575844.raw

334 <213> ORGANISM: Homo sapiens

336 <400> SEQUENCE: 15

337	tccgctttgt	ggccacatgg	tgtcagatga	atatgagcag	ctgtcctctg	aagccctgga	60
339	ggctgcccga	atttgtgcca	ataagtacat	ggtaaaaagt	tgtggcaaag	atggcttcca	120
341	tatccgggtg	cggctccacc	ccttccacgt	catccgcac	aacaagatgt	tgtcctgtgc	180
343	tggggctgac	aggctccaaa	caggcatgcg	aggtgccttt	ggaaagcccc	agggcactgt	240
345	ggccagggtt	cacattggcc	aagttatcat	gtccatccgc	accaagctgc	agaacaagga	300
347	gcatgtgatt	gaggccctgc	gcagggccaa	gttcaagttt	cctggccgcc	agaagatcca	360
349	catctcaaag	aagtggggct	tcaccaagtt	caatgctgat	gaatttgaag	acatgggtggc	420
351	tgaaaagcgg	ctcatcccag	atggctgtgg	ggtaagtag	atccccagtc	gtggccctct	480
353	ggacaagtgg	cgggccctgc	actcatgagg	gcttccaatg	tgtgcccc		529

356 <210> SEQ ID NO: 16

357 <211> LENGTH: 393

358 <212> TYPE: DNA

359 <213> ORGANISM: Homo sapiens

361 <400> SEQUENCE: 16

362	aacactcttg	tggtaagaa	atctgatgtg	gaggcaatct	tttcgaagta	tggcaaaatt	60
364	gtgggctgct	ctgttcataa	gggctttgcc	ttcgttcagt	atgttaatga	gagaaatgcc	120
366	cgggctgctg	tagcaggaga	ggatggcaga	atgattgctg	gccaggtttt	agatattaac	180
368	ctggctgcag	agccaaaagt	gaaccgagga	aaagcagggt	tgaaacgac	tgcagcggag	240
370	atgtacggct	cctcttttga	cttggactat	gactttcaac	gggactatta	tgataggatg	300
372	tacagttacc	cagcacgtgt	acctcctcct	cctcctattg	ctcgggctgt	agtgcctctg	360
374	aaacgtcagc	gtgtatcagg	aaacacttca	cga			393

377 <210> SEQ ID NO: 17

378 <211> LENGTH: 496

379 <212> TYPE: DNA

380 <213> ORGANISM: Homo sapiens

382 <400> SEQUENCE: 17

383	taggtatatc	ctttgggtctt	ccacagtcac	gttgagggtg	gctccctggg	atggtaaaaa	60
385	gccagggtata	atgtaacttc	acccagcct	ttgtactaag	ctcttgatag	tggatatact	120
387	cttttaagtt	tagccccaat	atagggtaat	ggaaatttcc	tgccctctgg	gttccccatt	180
389	tttactatta	agaagaccag	tgataattta	ataatgccac	caactctggc	ttagttaagt	240
391	gagagtgtga	actgtgtggc	aagagagcct	cacacctcac	taggtgcaga	gagcccaggc	300
393	cttatgttaa	aatcatgcac	ttgaaaagca	aaccttaatc	tgcaaagaca	gcagcaagca	360
395	ttatacggtc	atcttgaatg	atccctttga	aatttttttt	ttgtttgttt	gtttaaatca	420
397	agcctgaggc	tggatgaacag	tagctacaca	cccatattgt	gtgttctgtg	aatgctagct	480
399	ctcttgaatt	tggata					496

402 <210> SEQ ID NO: 18

403 <211> LENGTH: 534

404 <212> TYPE: DNA

405 <213> ORGANISM: Homo sapiens

407 <400> SEQUENCE: 18

408	aggtgcagaa	tctcggcggg	gagcttggtg	tctctggggg	ggacagcgcc	atgtccctga	60
410	tccaggcagc	caagaacttg	atgaatgctg	tgggtgcagac	agtgaaggca	tcctacgtcg	120
412	cctctaccaa	ataccaaaag	tcacagggtg	tggcttccct	caaccttcct	gctgtgtcat	180
414	ggaagatgaa	ggcaccagag	aaaaagccat	tggatgaagag	agagaaacag	gatgagacac	240
416	agaccaagat	taaacgggca	tctcagaaga	agcacgtgaa	cccgggtgcag	gccctcagcg	300
418	agttcaaagc	tatggacagc	atctaagtct	gccaggccg	gccgccccca	cccctcgggg	360
420	ctcctgaata	tcagtcactg	ttcgtcactc	aatgaattt	gctaaataca	acactgatac	420

RAW SEQUENCE LISTING ERROR SUMMARY
PATENT APPLICATION: US/10/575,844

DATE: 01/18/2007
TIME: 11:24:50

Input Set : E:\22338-Sequence Listing.txt
Output Set: N:\CRF4\01182007\J575844.raw

Please Note:

Use of n and/or Xaa have been detected in the Sequence Listing. Please review the Sequence Listing to ensure that a corresponding explanation is presented in the <220>

to <223> fields of each sequence which presents at least one n or Xaa.

Seq#:26; N Pos. 174,389
Seq#:32; N Pos. 36
Seq#:33; N Pos. 105,112,127,141
Seq#:40; N Pos. 35
Seq#:55; N Pos. 34,104,141,152,174,177,197,202,204,206,232,235,244,271,303
Seq#:55; N Pos. 312,315,349,354,384,389,400,407,415,423,499
Seq#:72; N Pos. 37,177
Seq#:86; N Pos. 297,298
Seq#:96; N Pos. 321,322
Seq#:122; N Pos. 231
Seq#:124; N Pos. 287
Seq#:156; N Pos. 277
Seq#:160; N Pos. 76
Seq#:163; N Pos. 66
Seq#:165; N Pos. 190,191,192,194,195,196,197,198,199,200,308
Seq#:191; N Pos. 182,475,514,515
Seq#:209; N Pos. 148
Seq#:216; N Pos. 57,58,59,183,303,305,316,389,404

VERIFICATION SUMMARY

DATE: 01/18/2007

PATENT APPLICATION: US/10/575,844

TIME: 11:24:50

Input Set : E:\22338-Sequence Listing.txt

Output Set: N:\CRF4\01182007\J575844.raw

L:11 M:271 C: Current Filing Date differs, Replaced Current Filing Date
L:606 M:341 W: (46) "n" or "Xaa" used, for SEQ ID#:26 after pos.:120
M:341 Repeated in SeqNo=26
L:744 M:341 W: (46) "n" or "Xaa" used, for SEQ ID#:32 after pos.:0
L:775 M:341 W: (46) "n" or "Xaa" used, for SEQ ID#:33 after pos.:60
M:341 Repeated in SeqNo=33
L:936 M:341 W: (46) "n" or "Xaa" used, for SEQ ID#:40 after pos.:0
L:1295 M:341 W: (46) "n" or "Xaa" used, for SEQ ID#:55 after pos.:0
M:341 Repeated in SeqNo=55
L:1684 M:341 W: (46) "n" or "Xaa" used, for SEQ ID#:72 after pos.:0
M:341 Repeated in SeqNo=72
L:2002 M:341 W: (46) "n" or "Xaa" used, for SEQ ID#:86 after pos.:240
L:2240 M:341 W: (46) "n" or "Xaa" used, for SEQ ID#:96 after pos.:300
L:2836 M:341 W: (46) "n" or "Xaa" used, for SEQ ID#:122 after pos.:180
L:2894 M:341 W: (46) "n" or "Xaa" used, for SEQ ID#:124 after pos.:240
L:3644 M:341 W: (46) "n" or "Xaa" used, for SEQ ID#:156 after pos.:240
L:3744 M:341 W: (46) "n" or "Xaa" used, for SEQ ID#:160 after pos.:60
L:3825 M:341 W: (46) "n" or "Xaa" used, for SEQ ID#:163 after pos.:60
L:3881 M:341 W: (46) "n" or "Xaa" used, for SEQ ID#:165 after pos.:180
M:341 Repeated in SeqNo=165
L:4503 M:341 W: (46) "n" or "Xaa" used, for SEQ ID#:191 after pos.:180
M:341 Repeated in SeqNo=191
L:4947 M:341 W: (46) "n" or "Xaa" used, for SEQ ID#:209 after pos.:120
L:5124 M:341 W: (46) "n" or "Xaa" used, for SEQ ID#:216 after pos.:0
M:341 Repeated in SeqNo=216